

U.S. APPLICATION NO. 09/832,830
AMENDMENT UNDER 37 C.F.R. § 1.111

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equipment station, said interconnection comprising a conductive core including a metal conductor with, at each end thereof, an electrical connector adapted to mate said receiving connector, and a flexible tube having at least an insulating layer made of elastomeric material and covering the whole conductive core; and

wherein said flexible tube is placed over said conductive core by radially expanding said flexible tube, relatively sliding said conductive core inside said flexible tube, and releasing said flexible tube over said conductive core.

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Claim 12. (Amended) Medium voltage interconnection according to claim 9, wherein said electrical connector has a substantially conical shape having a base connected to said metal conductor, said base having a diameter relatively larger than a diameter of said metal conductor.

Please add the following new claims:

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Claim 17. (New) A method of making an interconnection, comprising the steps of:
providing a conductive core having a first electrical connector at one end of the conductive core and a second electrical connector at the other end of the conductive core;
providing a flexible tube made of at least an insulating layer of elastomeric material;
expanding said flexible tube and relatively sliding said conductive core, including at least said first electrical connector, inside said expanded flexible tube; and
releasing said flexible tube over said conductive core to form an interconnection assembly.

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Claim 18. (New) The method of making an interconnection according to claim 17, further comprising the step of electrically interconnecting a first equipment station to a second equipment station with said interconnection assembly.

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Claim 19. (New) The method of making an interconnection according to claim 17, wherein said first and second connectors have a substantially conical shape, and wherein said flexible tube is expanded and released over at least said first connector having the substantially conical shape.

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Claim 20. (New) The method of making an interconnection according to claim 19, wherein each of said first and second connectors axially expands from the respective end of said conductive core towards a center of said conductive core between said first and second connectors.

Claim 21. (New) The method of making an interconnection according to claim 18, further comprising the step of passing a medium voltage through said interconnection assembly.

Claim 22. (New) The method of making an interconnection according to claim 18, further comprising the step of engaging one end of said flexible tube into an inner side of a bushing made of insulating material that is provided with said first equipment station so as to bring said first electrical connector into contact with a receiving connector of said first equipment station and said insulating layer of said flexible tube into contact with said inner side of said bushing.